

10-4 Practice (Average)***Solving Quadratic Equations by Using the Quadratic Formula***

Solve each equation by using the Quadratic Formula. Round to the nearest tenth if necessary.

1. $g^2 + 2g - 3 = 0$ **-3, 1** 2. $a^2 + 8a + 7 = 0$ **-7, -1** 3. $v^2 - 4v + 6 = 0$ \emptyset

4. $d^2 - 6d + 7 = 0$ **1.6, 4.4** 5. $2z^2 + 9z - 5 = 0$ **-5, $\frac{1}{2}$** 6. $2r^2 + 12r + 10 = 0$ **-5, -1**

7. $2b^2 - 9b = -12$ \emptyset 8. $2h^2 - 5h = 12$ **$-1\frac{1}{2}$, 4** 9. $3p^2 + p = 4$ **$-1\frac{1}{3}$, 1**

10. $3m^2 - 1 = -8m$ **-2.8, 0.1** 11. $4y^2 + 7y = 15$ **-3, $1\frac{1}{4}$** 12. $1.6n^2 + 2n + 2.5 = 0$ \emptyset

13. $4.5k^2 + 4k - 1.5 = 0$ 14. $\frac{1}{2}c^2 + 2c + \frac{3}{2} = 0$ 15. $3w^2 - \frac{3}{4}w = \frac{1}{2}$

-1.2, 0.3

-3, -1

-0.3, 0.6